monuments using the Rapid Static Surveying method of GPS. Measurement of the deformation field around a strike slip fault at Parkfield California from 107

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software have been used to resolve the phase bias ambiguities for the 10 minute occuseveral hours. Rapid Static Survey methods built into the GIPSY-OASIS II analysis most monuments were observed twice. Ninety five of the 107 points were occupied for nia in June, 1992 and again in May, 1993. In each survey, we used 6 TurboRogue 10 minutes during each observation. The remaining 11 points were occupied for GPS receivers to accomplish the survey in 5 to 6 days of observation. In both surveys, We have surveyed 107 monuments in a 30x45 km area around Parkfield Califor-

southeast of the 1966 epicenter. pendicular to the fault plus scattered marks-of-opportunity. One profile crosses the available before. The network consists of 3 profiles of about 30 monuments each permonuments should allow a much higher resolution of the transition than has been creeping in the northwest to locked in the southeast. The high density of geodetic fault near the epicenter of the 1966 Parkfield earthquake, one crosses the fault about 10 km to the southeast, and one crosses the fault on Highway 41, about 30 km The San Andreas Pault in the area of the survey undergoes a transition from

details of the method and the displacements measured from 1992 to 1993. We are analyzing the data from both sets of observations, and will present he